

JOURNAL

OF THE

PHILADELPHIA COLLEGE OF PHARMACY.

EDITED BY

R. E. GRIFFITH, M.D.

Lecturer on Materia Medica and Pharmacy in the Philadelphia School of Medicine, &c.

ASSISTED BY A PUBLISHING COMMITTEE, CONSISTING OF

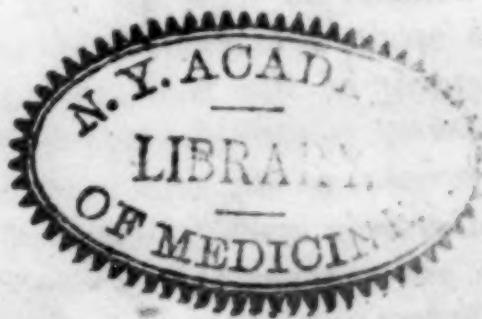
DANIEL B. SMITH, CHARLES ELLIS, S. P. GRIFFITTS, JR,

AND

GEORGE B. WOOD, M.D.

Professor of Materia Medica in the College, &c.

VOL. III.



Philadelphia:

PUBLISHED BY THE COLLEGE.

Printed by James Kay, Jun. & Co. Printers to the Philadelphia Medical and American Philosophical Societies, No. 4, Minor Street.

1832.

COLLEGE

NOV 20

PHILADELPHIA COLLEGE OF LAW

RECEIVED NOV 20

W. W. GUTHRIE M.D.

President of the Philadelphia College of Law
and author of a treatise on
Medieval and English History.

Author of a treatise on
Medieval and English History.

DANIEL R. SMITH, CHAIRMAN OF THE COMMITTEE,

1922

GEORGE K. HOGG, M.D.

President of the College of Law.

NOV 20

SCHOLARSHIP

AWARDED BY THE COLLEGE

President of the Philadelphia College of Law
and author of a treatise on
Medieval and English History.

1922

PREFACE.

In terminating our third volume, we avail ourselves of the opportunity, to make a few observations, naturally arising out of the subject. When, on the death of the late Dr Ellis, the present editor assumed the supervision of the work, at the second number of the present volume, he was wholly unprovided with materials for its successful continuance; the industry and zeal of its promoters and friends, however, has enabled us to present to its patrons, a series of original papers alike honourable to their authors and of permanent utility to science. Most of these, it will be perceived, are of practical importance to the pharmacist; but as the plan of the Journal embraces a wider field than mere pharmacy, the Committee have been anxious to obtain communications of a more general nature; in this it will be seen that we have been partially successful, and we are in hopes, that we shall be enabled to present a succession of papers on improvements in those arts which are based on chemical processes, that will be generally useful. There is another class of communications to which we would invite the attention of those who feel an interest in the work—the Pharmaceutical Notices; practical observations of this character are admirably calculated to advance the art, and tend to obviate many of the difficulties invariably met with, especially among the younger members of the profession. We earnestly solicit a continuance of them, and would remind our brethren, that it is only by the collection of isolated facts, that the fabric of science is to be erected, and that they should not withhold, what to them may appear trivial and

commonplace details, as these very data may furnish the links that are now wanting in the chain of knowledge.

As the Journal of Pharmacy is the only publication of the kind in the United States, and is devoted exclusively to the furtherance of the pharmaceutic art, we trust that it will continue to receive such support as will enable the Committee to increase its usefulness. This, however, can only be accomplished by an extended patronage, and we would suggest to all those who feel an interest in its success, that it is by their exertions alone it can attain that rank to which it is entitled. Hitherto, most of the Original Communications have emanated from our Philadelphia brethren, but we hope that our friends at a distance will step forward and contribute their share to its further support.

We would also call the attention of our subscribers to the fact, that on a promptness in transmitting their annual payments, the existence of the Journal depends; we are sorry to say that it is only by unceasing exertions on the part of the Committee, that they are enabled to fulfil their engagements. Let it not be said that the Pharmacists of this country felt too great an apathy, and so little zeal in their profession, as to permit the only journal devoted to the objects of their pursuits, to languish and die.

In conclusion, we would state, that some alterations in the arrangement of the articles, &c. will be made in the next volume, and from the support which has been promised, the Committee are in hopes that no delay will take place in the publication of the respective numbers; much however depends, as we have before said, on the exertions of our distant friends.

CONTENTS.

No. I.

Original Communications.

Liriodendrine, or the Bitter Principle of the Liriodendron Tulipifera; Tulip Tree or American Poplar. By John P. Emmet. - - - - -	5
On the Liriodendron Tulipifera, American Poplar or Tulip Tree. By Benjamin Ellis, M.D. - - - - -	11
On Ichthyocolla. By Daniel B. Smith. - - - - -	17
Dissertation upon the subject of Peruvian Bark. By George B. Wood, M.D. - - - - -	22

Selected Articles.

On the Balsam of Copiba; extracted from a Report made to the Société de Pharmacié. By MM. Lecanu, Blondeau and Guibourt. - - - - -	39
On the Bitter of Aloes employed in colouring. - - - - -	45
Memoir on the Quantity of Extract furnished by different species of Sarsaparilla. By M. Thubeuf. - - - - -	46
On the Adulteration of the Hydriodate of Potash. By J. Pereira, Esq. F.L.S. - - - - -	49
Some account of the Copperas Mines and Manufactory in Strafford, Vt. By Dr John Locke. - - - - -	55
On the Action of Acids upon Salicine. By Peschier. - - - - -	60

Review.

The Pharmacopœia of the United States of America. By authority of the National Medical Convention held at Washington 1830. - - - - -	64
--	----

MISCELLANY. - - - - -	87
-----------------------	----

No. II.*Original Communications.*

On Sanguinaria Canadensis. By Daniel B. Smith. - - -	93
Dissertation upon the subject of Peruvian Bark. By George B. Wood, M.D. - - - - -	96
On Borax. By Daniel B. Smith. - - - - -	119

Selected Articles.

On a Process for preparing economically the Muriate of Mor- phia. By William Gregory, M.D., &c. - - - - -	124
On the Analysis of Elaterium and its active principle. By John D. Morries, Esq. - - - - -	130
On Oxamide, a Substance which approximates to some Animal Bodies. By M. Dumas. - - - - -	134
On the Distillation of Nitric Acid. By E. Mitscherlich. - -	137
On the Volatility of Oxalic Acid. By Edward Turner, M.D. F.R.S., &c. &c. - - - - -	139
Method of obtaining Volatile Oils in Organic Analysis. By M. Bonastre. - - - - -	143
Sulphuric Ether. - - - - -	146
Effects of Animal Charcoal on Solutions. By Thomas Gra- ham, A.M. Lecturer on Chemistry, Glasgow. - - - - -	148
On the Mode of Ascertaining the Commercial Value of Ores of Manganese. By Edward Turner, M.D., &c. &c. - -	153
On Indigo. By Andrew Ure, M.D. F.R.S., &c. - - - - -	157

Review.

Researches on the Chemical and Medical Properties of the Root of the Kahinca. By MM. Francois, D.M., Caven- tou and Pelletier, Pharmaciens, &c. Translated by John Baxter, M.D., &c. - - - - -	164
MINUTES OF THE COLLEGE. - - - - -	171
MISCELLANY. - - - - -	173

No. III.

Original Communications.

Notes on Ipecacuanha.	By R. Eglesfeld Griffith, M.D., &c.	181
Pharmaceutical Notices.		196
Observations on certain preparations in the Pharmacopœia of the United States.	By George B. Wood, M.D.	200
Remarks upon "Oil of Cantharidin," &c. &c.	By Joseph Scattergood.	210
On Salicine, the Active Principle of Willow Bark.	By P. T. Tyson and W. R. Fisher, Grad. Col. Pharmacy.	213

Selected Articles.

Peculiar substance discovered in the Leaves of the Peach Tree.		
By M. Crousseilles.	216	
Observations on Prussian Blue.	By M. Gay Lussac.	218
Observations on the Sennas, and especially on that called Moka.	By M. Fée.	223
Observations on the Extraction of Morphine by means of Al- cohol and Ammonia.	By M. Regimbeau, Sen., Phar- maceutist, Montpellier.	229
Notes on Salicine, Jalapine, and Cetrarine.	By M. E. Her- berger of Munich.	235
Physiological and Chemical Observations on the Berries of the Juniper.	By A. C. Nicolet.	239
Memoir on the preparation and medical uses of the Proto-tar- trate of Mercury and Potash.	By MM. F. Carbonell, M.D. and Bravo.	242

Reviews.

A Manual of Materia Medica and Pharmacy, comprising a concise description of the articles used in Medicine, &c. &c. From the French of H. M. Edwards, M.D. and P. Vavasseur, M.D. Corrected and adapted to British prac- tice.	By John Davies, M.R.C.S.	246
The Edinburgh New Dispensatory, &c.	By Andrew Dun- can, M.D.	250
MISCELLANY.		252

No. IV.*Original Communications.*

On Frasera Walteri. By R. Eglesfeld Griffith, M.D. - - -	269
On the Bitter Principle of Podophyllum Peltatum. By William Hodgson, Jun. - - - - -	273
On the Green Colour and Nature of the Colouring Agent of the Water of the Delaware and Chesapeake Canal, near the first lock on the Chesapeake side. By Elias Durand. - - - - -	276
On Sugar from the Seckel Pear. - - - - -	277
On Nitro-muriatic or Nitro-hydrochloric Acid. By Daniel B. Smith. - - - - -	287
Pharmaceutical Notices, No. 2. - - - - -	289
On the Sap of the Siphonia Cahuchu. By Elias Durand. - - - - -	292
Observations on certain preparations in the Pharmacopœia of the United States. By George B. Wood, M.D. - - - - -	297

Selected Articles.

On the Extraction of the Alkaloids of Peruvian Bark. By MM. Henry, Jun. and Plisson. - - - - -	305
Phenomena presented by Acetate of Lead, when exposed to the action of heat, and the products thus obtained. By C. Matteuci. - - - - -	308
Process for preparing extemporaneously the Medicinal Prussic Acid. By Thomas Clark. - - - - -	309
On Borotartrate of Potassa. - - - - -	312
On Tartrite of Iron and Ammonia. By C. R. Aikin. - - - - -	314

Review.

Observations, Chemical and Practical, on the Dublin Pharmacopœia, with a Translation annexed. By F. Barker, M.D., Professor of Chemistry in Trinity College, Dublin, &c. and Wm. F. Montgomery, A.M., M.B. Professor of Midwifery in the King and Queen's College of Physicians in Ireland, &c. - - - - -	322
MINUTES OF THE COLLEGE. - - - - -	342

Obituary.

Notice of Dr Benjamin Ellis. - - - - -	345
MISCELLANY. - - - - -	353





Fig. 1.

LIRIODENDRON TULIPIFERA.

Drawn from Nature by W. P. C. Barton.

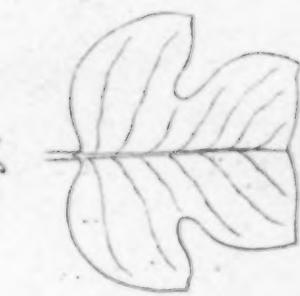


Fig. 3.

Fig. 2.

